



Claim Amendments

1. (presently amended) A prognostic method for early prediction of eventual development of invasive epithelial cancer, said method comprising:
- (a) applying to epithelial tissue having DNA a staining dye that is selectively retained by mitochondria of neoplastic and preneoplastic cells;
 - (b) identifying clonal patches of said epithelial tissue by visually examining said tissue for stained tissue sites;
 - © resecting epithelial tissue having said DNA in the locus of said clonal patches;
 - (d) extracting said DNA from said resected epithelial tissue; and
 - (e) making said prognosis by determining whether DNA extracted from said resected epithelial tissue exhibits allelic losses or mutation of tumor suppressor genes, which losses or mutation are indicative that said resected tissue is in the progression pathway to development of invasive cancer.